

IBM Sterling Gentran:Server for Windows



FPI Gateway Configuration Guide

Version 5.3.1

IBM Sterling Gentran:Server for Windows



FPI Gateway Configuration Guide

Version 5.3.1

Note

Before using this information and the product it supports, read the information in "Notices" on page 33.

This edition applies to the 5.3.1 version of IBM Sterling Gentrans:Server for Microsoft Windows and to all subsequent releases and modifications until otherwise indicated in new editions.

© **Copyright IBM Corporation 1996, 2012.**

US Government Users Restricted Rights – Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

Contents

Chapter 1. FPI Gateway Overview. . . . 1

About the FPI Gateway.	1
FPI Gateway Mailbox	1

Chapter 2. Configuring Communications 3

FPI Gateway Property - General Tab	3
FPI Gateway Property - FPI Audit Tab.	4
FPI Log View	5
Mailbox Properties Dialog Box - Addressing Tab	7
Mailbox Properties Dialog Box - Gateway Tab	7
Mailbox Properties Dialog Box - Delivery Rules Tab	8
Mailbox Properties Dialog Box - Security Tab	9
FPI Mailbox Property - General Tab	10
FPI Mailbox Property - Mailbox Tab	13
FPI Mailbox Property - Res Field Map tab (List View)	15
Result File Field Definition (Add or Edit mode)	17
FPI Mailbox Property - Res Field Map Tab (Detail View)	18
FPI Mailbox Property - Inf Field Map Tab (List View)	19
FPI Mailbox Property - Inf Field Map Tab (Detail View)	21

FPI Mailbox Property - Inf Field Map Tab (Edit Mode)	22
Configuration Process	23
Configuring Communications Queues on UNIX	23
Configuring Sterling Gentran:Server FPI Gateway	24
About Configuring FPI Gateway Mailboxes.	25
Configuring FPI Gateway Mailboxes	27
About Modifying Advanced Properties	28
Adding, Editing, and Deleting Advanced Properties	29
About Trading Partner Configuration.	30
Modifying Mailbox Properties	30

Chapter 3. Frequently Asked Questions 31

Field Display	31
Information Files	31
Field Expansion	31
Additional Information	31

Notices 33

Index 37

Chapter 1. FPI Gateway Overview

About the FPI Gateway

The IBM® Sterling Gentran:Server® for Microsoft Windows FPI Gateway provides a flexible, secure link between Mailbox Server and different types of communication applications using a standard file interface protocol.

The File Programmatic Interface (FPI) is a standard file interface protocol that is used to control message exchanges between Sterling Gentran:Server and external communication applications (or Access Units). The protocol is based on two types of text command files:

- Information File (used to communicate between Sterling Gentran:Server and the communication application/Access Unit)
- Result File (used to communicate between the communication application/Access Unit and Sterling Gentran:Server)

When you configure the gateway, you define the:

- Periodic Scan Interval
- Audit level for the FPI log
- Maximum log file size
- Post audit file specifications

FPI Gateway Mailbox

Sterling Gentran:Server FPI Gateway mailboxes are communications- or partner-specific mailboxes for incoming and outgoing messages. The Sterling Gentran:Server FPI Gateway can manage one or more FPI mailboxes.

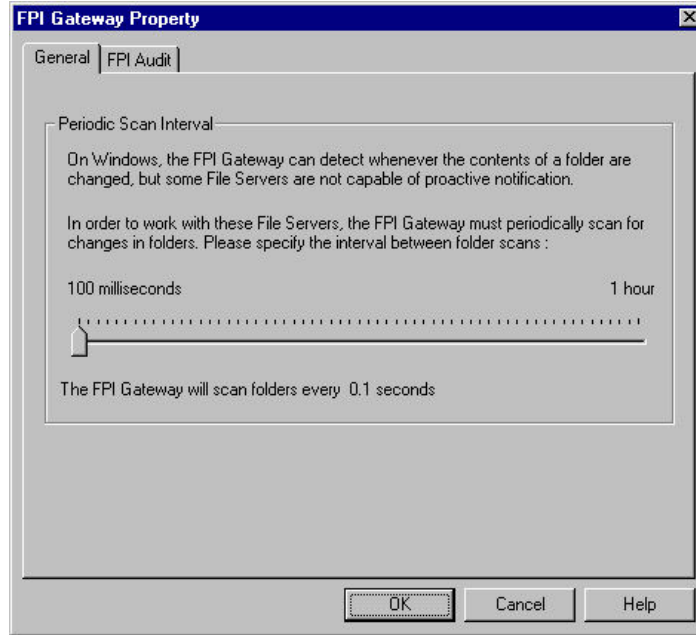
When you configure a mailbox to be used with the Sterling Gentran:Server FPI Gateway, you define the:

- FPI Syntax for Result and Information files
- Operating system specifications for the communications queue
- Send options
- Message priority level
- Local and Remote queue path

Chapter 2. Configuring Communications

FPI Gateway Property - General Tab

This illustration shows an example of the FPI Gateway Property General tab.

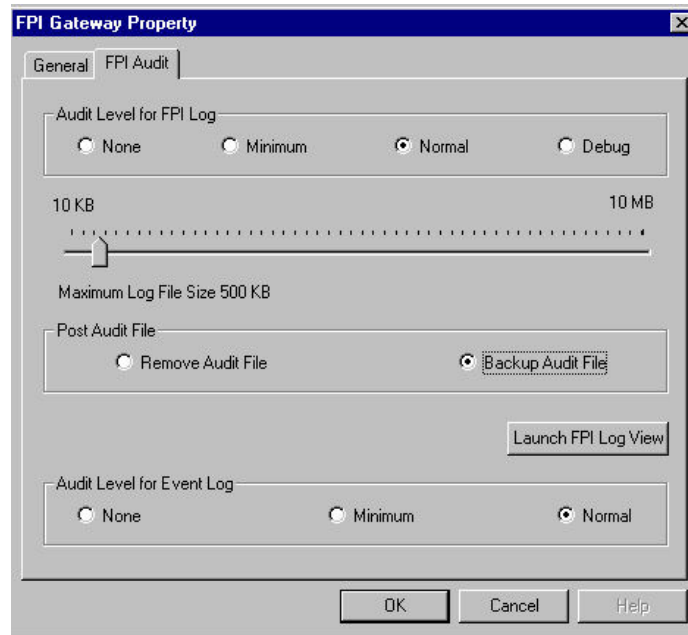


This table describes the parts of the FPI Gateway Property General tab.

Part	Function
Periodic Scan Interval	Defines the polling interval for the FPI Mailbox Input Queues. The minimum range is 1/10 second; the maximum range is 1 hour. A 1-second polling interval is recommended. To adjust an interval range in precise increments, use the up and down arrows on the keyboard.

FPI Gateway Property - FPI Audit Tab

This illustration shows an example of the FPI Gateway Property FPI Audit tab.



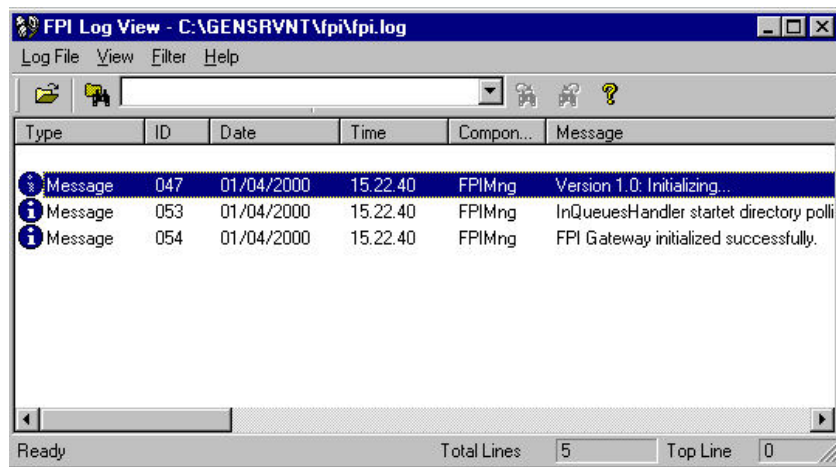
This table describes the parts of the FPI Gateway Property FPI Audit tab.

Part	Function
Audit Level for FPI Log	<p>Defines the level at which messages display on the Log file.</p> <p>Valid audit levels are:</p> <ul style="list-style-type: none"> • None - No messages display on the Log file. • Minimum - Only messages in the Warning, Error and Fatal classes display on the Log file. • Normal (recommended) - All messages in the Message, Warning, Error and Fatal classes display on the Log file. • Debug - All messages in the Message, Warning, Error and Fatal classes, as well as messages that are helpful in debugging errors display in the log file.
Maximum Log File slider	Limits the maximum size of the Log file. The file size depends on how your system is used, however 500k is recommended. Large Log files can significantly increase the time it takes to load the Log file Viewer.
Launch FPI Log View button	Launches the Log file browser.
Post Audit File	<p>Describes what action to take when the maximum Log file size is exceeded. Options are:</p> <ul style="list-style-type: none"> • Remove Audit File - The Log file is deleted. • Backup Audit File - The existing Log file is renamed and marked with a date/time stamp. All subsequent Log outputs are written into a new Log file.

Part	Function
Audit Level for Event Log	<p>Defines the level at which messages are displayed in the Microsoft Windows Event Viewer. All FPI Gateway entries are identified by the source name GSMFPIGateway.</p> <p>Valid audit levels are:</p> <ul style="list-style-type: none"> • None - No messages display in the Event Viewer. • Minimum - Only messages in the Warning, Error and Fatal classes display in the Event Viewer. • Normal (recommended) - All messages in the Message, Warning, Error and Fatal classes display in the Event Viewer.

FPI Log View

This illustration shows an example of the FPI Log View.



This table describes the Main Menu items of the FPI Log View.

Part	Function
Log File	<p>Contains these functions:</p> <ul style="list-style-type: none"> • Open - enables you to view a selected Sterling Gentran:Server FPI Gateway log file. • Exit - exits the FPI Log View program.

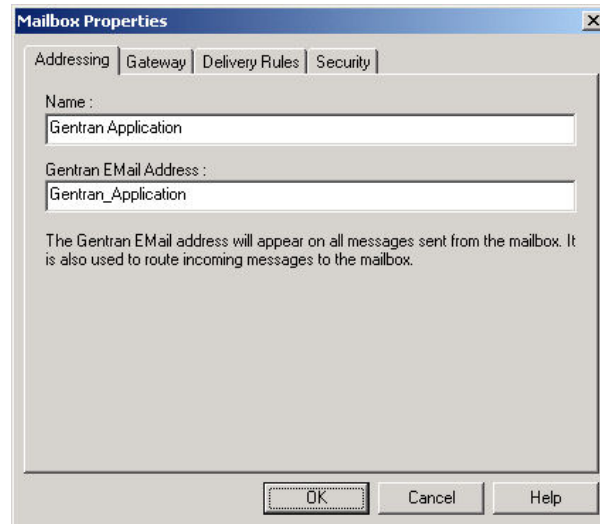
Part	Function
View	<p>Contains the Search function, which enables you to search for keywords and patterns in the log file.</p> <p>Valid search expression syntax:</p> <ul style="list-style-type: none"> • ? Exactly one character • * Sequence of characters (0..n characters) • [character set] One character that is member of the character set. • ![character set] A character that is not member of the character set. • ^search pattern Find a search pattern at the beginning of a column. • Search pattern\$ Find a search pattern at the end of a column. <p>For example:</p> <p>(Search Pattern): *[eE]rror[123]*</p> <p>In a column an arbitrary character string is followed by the character string "error" or "Error". This string is followed by at least one character, but no "1", "2" or "3".</p> <ul style="list-style-type: none"> • Toolbar - displays or hides the Main toolbar. • Status Bar - displays or hides the Status bar. • Tail Mode - displays new log file entries at the end of the log file.
Filter	Defines what messages display.
Help	Displays version information.

This table describes the Log Viewer items of the FPI Log View.

Part	Function
Type	<p>Denotes the Log message type. The level at which messages display is defined on the Audit Level for FPI Log section of the FPI Gateway Property FPI Audit tab. Types of messages are:</p> <ul style="list-style-type: none"> • Message - Informational message that describes Sterling Gentran:Server FPI Gateway activity. • Warning - Denotes an error that does not terminate the current processing task. • Error - Denotes an error that terminates the current processing task. • Fatal - Denotes an error that shuts down Sterling Gentran:Server FPI Gateway. Insufficient memory (RAM or hard disk) is an example of why this happens.
ID	Defines the error message ID.
Date	Defines the date the message was recorded; uses the format ΔMM/DD/YYYY.
Time	Defines the time the message was recorded; uses the format hh.mm.ss.
Component	Specifies the Sterling Gentran:Server FPI Gateway component.
Message	Describes the event.

Mailbox Properties Dialog Box - Addressing Tab

The following shows an example of the Addressing tab of the Mailbox Properties dialog box.

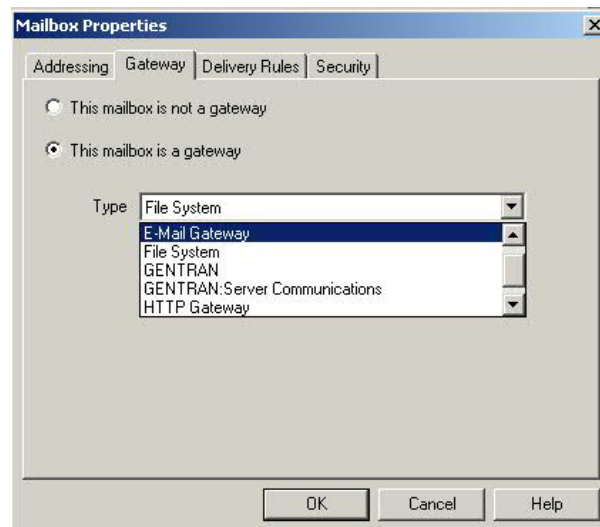


The following table describes the parts of the Addressing tab.

Part	Function
Name	Defines the name of the mailbox.
Gentran EMail Address	Defines the Sterling Gentran:Server email address for messages sent from the mailbox.

Mailbox Properties Dialog Box - Gateway Tab

The following shows an example of the Gateway tab of the Mailbox Properties dialog box.



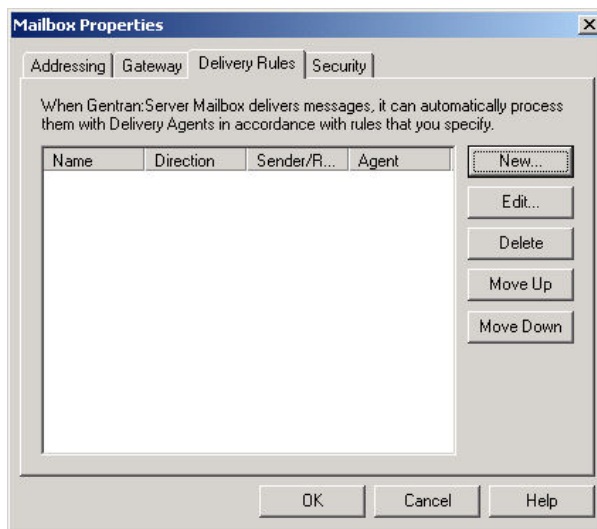
The following table describes the parts of the Gateway tab.

Part	Function
Gateway	Specifies whether the mailbox is or is not a gateway.

Part	Function
Type	Specifies the type of gateway. Active when "This mailbox is a gateway" is selected. Valid values are: <ul style="list-style-type: none"> • Connect:Direct • E-Mail • File System • Gentran • Gentran:Server Communications • HTTP • SAP
Configure	Enables you to configure properties for a selected gateway.

Mailbox Properties Dialog Box - Delivery Rules Tab

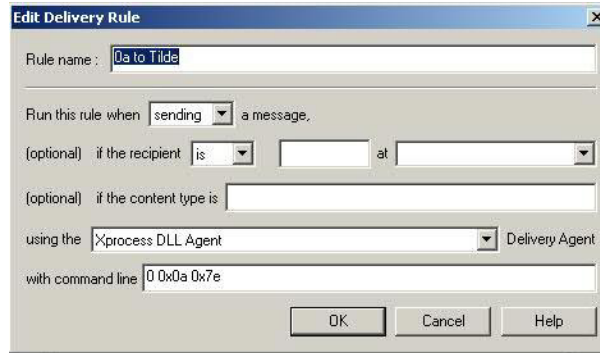
The following shows an example of the Delivery Rules tab of the Mailbox Properties dialog box.



The following table describes the parts of the Delivery Rules tab.

Part	Function
Name	Defines the name of the delivery rule.
Direction	Identifies whether the rule is run when sending or receiving a message.
Sender/Recipient	Identifies the mailbox of the sender or recipient. The mail address can be specified in addition to the mailbox name.
Agent	Identifies the name of the delivery agent to be run.
New	Creates new delivery rules.
Edit	Edits existing delivery rules.
Delete	Deletes the selected delivery rules.
Move Up	Moves the selected delivery rule up in the processing order.
Move Down	Moves the selected delivery rule down in the processing order.

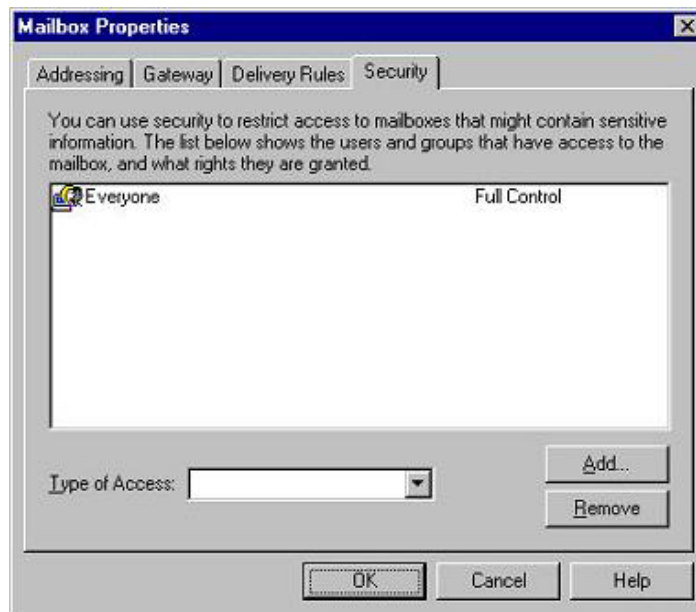
The following shows an example of the New/Edit Delivery Rule dialog box.



Mailbox Properties Dialog Box - Security Tab

The Security tab of the Mailbox Properties dialog box defines the level of access users have for the mailbox.

The following shows an example of the Security tab of the Mailbox Properties dialog box.

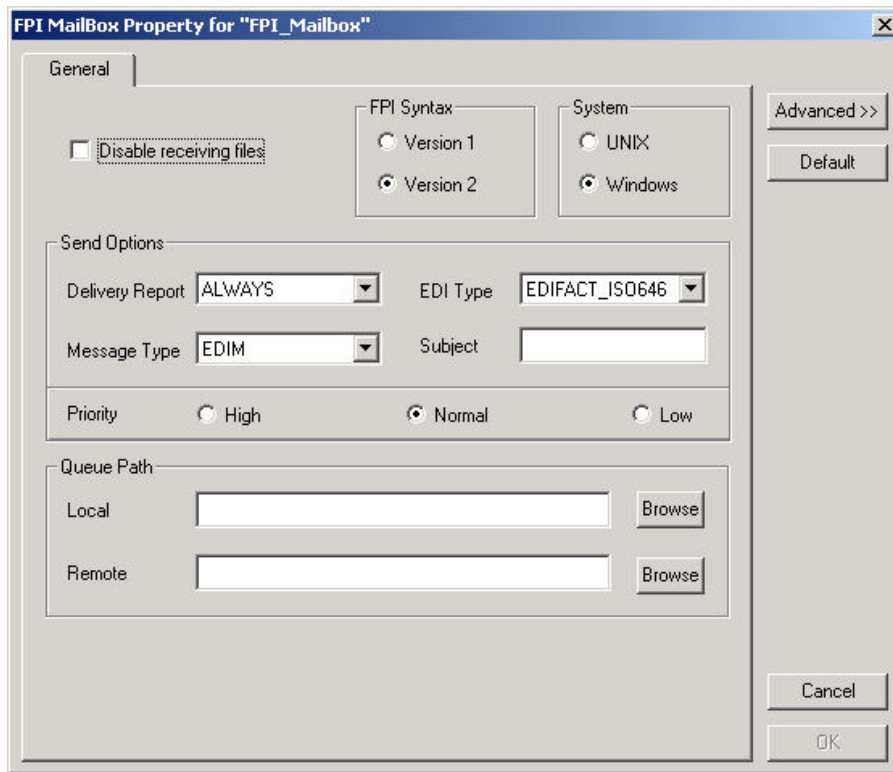


The following table describes the parts of the Security tab.

Part	Function
User list	Defines users and groups that have access to mailbox.
Type of Access	Designates level at which a user can interact with a mailbox. Values are: <ul style="list-style-type: none"> • Full control • Read • Write
Add	Enables you to grant mailbox access to users or groups.
Remove	Enables you to remove mailbox access for a user or group.

FPI Mailbox Property - General Tab

This illustration shows an example of the FPI Mailbox Property General tab.



This table describes the parts of the FPI Mailbox Property General tab.

Part	Function
Disable Receiving Files	Starts or stops the receipt of FPI Mailbox messages. A selected check box (the default setting) means that the FPI Mailbox is stopped and processing tasks on messages received (Result files) are not performed. For configuration and maintenance purposes, this check box should be selected. A cleared check box means that processing tasks for Result files is performed.
FPI Syntax Version	Defines the Sterling Gentran:Server FPI Gateway interface Result and Information files syntax version. Options are: <ul style="list-style-type: none"> Version 1 - ISOTRADE Version 2.0 and earlier; does not include inbound or outbound messages with multiple attachments. Typical fields are INTERCHANGE_NAME, INTERCHANGE-PATH and EDI_TYPE. Version 2 (default) - ISOTRADE Version 3.x; allows for multiple receivers and attachments, and information for each receiver.
System	Defines the operating system where the Communications Queue resides. Options are: <ul style="list-style-type: none"> Windows - Select this option if the Communications Queue will reside on a Microsoft Windows machine. UNIX - Select this option if the Communications Queue will physically reside on a UNIX machine.

Part	Function
Send Options Delivery Report	<p>Defines when you receive delivery confirmation from your trading partner. Options are:</p> <ul style="list-style-type: none"> • ALWAYS - A delivery confirmation (Delivery Report DR or Non Delivery Report NDR) is always requested for every message. This setting is recommended for networks that provide delivery reports (e.g. X.400-Networks). • NONE - A delivery confirmation (Delivery Report DR or Non Delivery Report NDR) is not requested. This setting is used for networks or Access Units that provide neither a transmission report nor a delivery report. As a rule, the use of such networks is not advised for security reasons. • NON_DELIVERY - A delivery confirmation (Non Delivery Report, NDR) is requested only for messages that cannot be accurately sent to the communications partner. <p>Note: The system displays the message transmission status on the Sterling Gentran:Server Interchanges Browser as a colored antenna symbol. The color indicates the success or failure of delivery.</p>
Send Options EDI Type	<p>Specifies the EDI Interchange and character set format. The EDI format consists of a prefix and a suffix. The prefix defines the EDI interchange format, the suffix defines the character set. This is a mandatory value.</p> <p>EDI-Interchange formats:</p> <ul style="list-style-type: none"> • EDIFACT - Electronic Data Interchange for Administration, Commerce and Transport. Definition in Standard ISO9735 • ANSIX12 - American National Standard Institute X12 EDI Standard • UNTDI - United Nations Trade Data Interchange. Defined in the UNTDI Standard. • PRIVATE - Bilateral EDI-format established between communications partners • UNDEF - All other EDI-Interchange formats <p>Character sets:</p> <ul style="list-style-type: none"> • ISO646 - ISO Standard which describes a modification of the ASCII-character set which is defined in SIO646 • T61 - Teletex character set, defined by the CCITT in the T.61Recommendation • OCTET - 8-bit binary character set • EBCDIC - Extended Binary Coded Decimal Interchange Code character set defined by IBM. • IA5 - International Alphabet Number 5 is a standard identical with ISO646 for the representation of textual and numeric information.

Part	Function
Send Options Message Type	<p>Specifies what message type to send. This field is mandatory. Options are:</p> <ul style="list-style-type: none"> • EDIM - EDIFACT-Message (P35)△Links ISOTRADE 3.4.1 for sending EDIFACT-messages. • EDIN - EDIFACT-Notification (reserved for future use). • FFM - Free Formatted Text (reserved for future use). • IPM - InterPersonal Message (P2)△ Use: Links ISOTRADE versions prior to 3.4.1. IPM is no longer supported for sending ISOTRADE 3.4.1. • QUERY- Active Status queries (reserved for future use).
Send Options Subject	Appends additional information to a message. This field is optional.
Priority	<p>Specifies the priority of FPI Mailbox transmissions. The priority affects the order in which the transmitted messages are processed by the linked communications application. Options are:</p> <ul style="list-style-type: none"> • High - Denotes a transmission with above-average priority; Access Unit processes High priority transmissions before all other transmissions in the OUT queue. Information files with high priority begin with the prefix "h." • Normal - Denotes transmissions with average priority; Access Unit processes Normal priority transmissions before transmissions with low priority. Information files with normal priority begin with the prefix "n." • Low - Denotes transmissions with low priority; Access Unit processes Low priority transmissions after all transmissions with a higher priority. Information files with low priority begin with the prefix "l."
Queue Path Local	<p>Defines the root directory path of a Communications Queue seen by the Microsoft Windows machine where Sterling Gentran:Server FPI Gateway is installed.</p> <p>For example: C:\COMM\FPI</p>
Browse	Enables you to browse to or to create a local queue directory.
Queue Path Remote	<p>Defines the root directory path of a Communications Queue seen by the remote machine (UNIX or Microsoft Windows) where the communications application (Access Unit) is installed.</p> <p>For example: /HOME/COMM/FPI</p>
Browse	Enables you to browse to or to create a remote queue directory.
Advanced	<p>Displays additional FPI Mailbox Property tabs. Those tabs are:</p> <ul style="list-style-type: none"> • Mailbox - Contains settings that control the inbound message processing in the Sterling Gentran:Server Mailbox. The default values are recommended for FPI Gateway operation and should only be changed by a qualified system administrator. • Res Field Map - Provides an alphabetically sorted view of FPI Result files. • Inf Field Map - The Information Field Definition table provides an alphabetically sorted overview of all fields of an Information file defined in the FPI.

Part	Function
Default	Restores default FPI Mailbox settings except for the following: <ul style="list-style-type: none"> • Queue Path • System • FPI Syntax
Cancel	Exits the FPI Mailbox Property dialog box; discards configuration changes.
OK	Unavailable until valid Local and Remote Communications Queue path information is entered. This prevents you from saving invalid Communications Queue paths.

FPI Mailbox Property - Mailbox Tab

This illustration shows an example of the FPI Mailbox Property Mailbox tab. This tab displays when Advanced button is selected on the FPI Mailbox Property

The screenshot shows the 'FPI Mailbox Property for "FPI_Mailbox"' dialog box. The 'Mailbox' tab is selected. The 'General' sub-tab is active. The 'Disable receiving files' checkbox is unchecked. Under 'FPI Syntax', 'Version 2' is selected. Under 'System', 'Windows' is selected. In the 'Send Options' section, 'Delivery Report' is set to 'ALWAYS', 'Message Type' is 'EDIM', and 'EDI Type' is 'EDIFACT_ISO646'. The 'Subject' field is empty. Under 'Priority', 'Normal' is selected. The 'Queue Path' section has empty text boxes for 'Local' and 'Remote', each with a 'Browse' button. On the right side, there are buttons for '<< Standard', 'Default', 'Detail >>', 'Cancel', and 'OK'.

General tab.

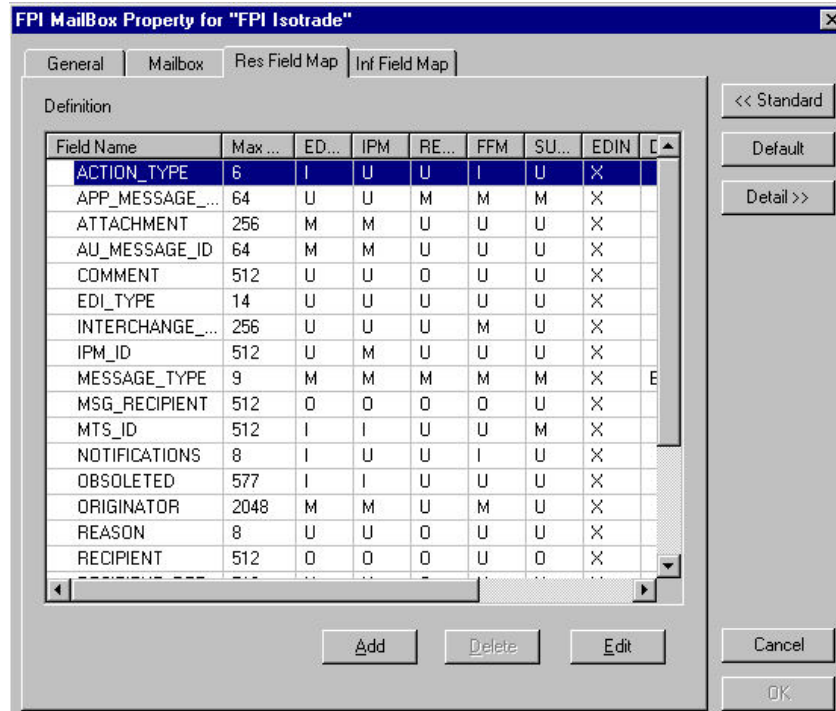
This table describes the parts of the FPI Mailbox Property Mailbox tab.

Part	Function
Content Type for all messages	Defines the content and sub-content type for all messages. The default is Application/EDI.
Content Type for all attachments	Defines the content and sub-content type for all attachments. The default is Application/EDI.
Recipient	Forwards messages received in an FPI Mailbox to the specified Mailbox. Generally, this is the standard (non-gateway) Sterling Gentran:Server Application Mailbox, which stores messages transferred between Mailbox server and Sterling Gentran:Server. However all mailboxes and distribution lists available in Sterling Gentran:Server Mailbox are listed in the drop-down box.

Part	Function
Post processing message handling	<p>Determines how the transmitted data files are to be handled in the DATA directory of a Communications Queue. These files pertain to copies of the message attachments (e.g., EDI-Interchange) which are managed in the Sterling Gentran:Server Mailbox. Valid values are:</p> <ul style="list-style-type: none"> • Delete after Delivery Report (Default) - Deletes an EDI Interchange file from the DATA directory upon receipt of a network-generated positive Transport-reception report. This setting is recommended for all networks (e.g., X.400-Network, ISOTRADE-link) that provide transport-reception reports for a message sender. • Delete after Submission Confirmation - Deletes an EDI Interchange file from the DATA directory upon receipt of a transport-delivery report created by the linked communications application. This transport-delivery report is a positive report that is sent to the message sender when the message has been forwarded from the linked communications application to the network. This setting is for all networks that only create transport-delivery reports. • Delete after <n> Days - Files in the DATA directory are deleted after a defined number of days. Note: This setting is recommended for networks that do not create transport-delivery or transport-reception reports. This setting reduce errors that occur due to insufficient hard disk space. • Never - Files are never deleted from the DATA directory. This setting should be selected only when the DATA directory size is maintained by deleting or archiving the old messages (see also the Delete after <n> Days mode). <p>Important: If None is selected and DATA directory messages are not deleted or archived, errors may occur due to insufficient hard disk space.</p>
Standard	Closes Advanced properties.
Default	<p>Restores the default FPI Mailbox settings except for the following:</p> <ul style="list-style-type: none"> • Queue Path • System • FPI Syntax
Cancel	Exits the FPI Mailbox Property dialog box; discards configuration changes.
Detail	Unavailable
OK	The OK button is unavailable until valid Local and Remote Communications Queue path information is entered on the General tab of the FPI Mailbox Property dialog box. This prevents you from saving invalid Communications Queue paths.

FPI Mailbox Property - Res Field Map tab (List View)

This illustration shows an example of the FPI Mailbox Property Res Field Map tab in List view. This tab displays when the Advanced button is selected on the FPI Mailbox Properties General tab.



Note: Result Field Map settings allow an exceptionally flexible configuration of the reception jobs (Result files) either processed, or to be processed, by Sterling Gentran:Server FPI Gateway. These settings should only be changed only by a qualified system administrator with an in-depth understanding of FPI.

Important: As a rule, the default values must not be changed for linking of ISOTRADE 3.4.1 (NT) / 4.3.4 (UNIX), Syntax version 1 and 2. A change in the default values may result in Sterling Gentran:Server FPI Gateway reception jobs generated by a linked communications application, to process incorrectly. In particular, changing the configuration to identify mandatory FPI fields (M = mandatory) as "ignored" (I = ignore) or "not used" (U = unused) is strongly discouraged. The configuration will not be subjected to a plausibility test.

This table describes the parts of the Res Field Map tab in List view.

Part	Function
Field Name	Describes the field name.
Max Len.	Denotes the maximum field length.
EDIM	Denotes EDI Message (reserved for future use).
IPM	Denotes Inter Personal Message.
REPORT	Message-type report that identifies a delivery report, negative delivery report, or an Access Unit report.
FFM	Denotes Free Formatted Message (reserved for future use).

Part	Function
SUBMITTED	Identifies the notification "delivered to network," which is generated by the Access Unit.
EDIN	Denotes EDI Notification (reserved for future use).
Default	Describes the default value for empty fields.
MinRep	Describes the minimum repetition frequency of the field.
MaxRep	Describes the maximum repetition frequency of the field.
Sep	Describes the Separator character for the elements of the value list of a field.
Optional/Mandatory values	<p>Defines whether a field is mandatory or optional. Values can only be changed in Edit mode.</p> <p>Note: Changing optional or mandatory values is not recommended unless you have in-depth understanding of FPI.</p> <p>Valid values are:</p> <ul style="list-style-type: none"> • M - Mandatory. The field must be created in a reception job for the particular message type. An error is generated if the field is not present. The Result file is moved into the UNDEL directory. • O - Optionally used field. The field can occur in the context of the message type. The user can specify that the field is to be parsed and taken into the field list, if it is present. This is a necessary, but does not ensure that the field is later evaluated by the Sterling Gentran:Server FPI Gateway Result file processor. • U - Optional unused field. The field is permitted in the context of the message type, but should not be used. The user can specify that this field will generate an error (regardless of whether the syntax is correct). The Result file will be moved to the UNDEL directory. • I - Optional, ignored field. The field is allowed in the context of the message type, but should be ignored. The user can specify that this field will never generate an error (even if it is syntactically incorrect). • X - Unacceptable field Use. A field that is generally not allowed in the context of message type. For internal use by the Sterling Gentran:Server FPI Gateway system. If a field has the default value X, then the user cannot change it.
Standard	Closes Advanced properties.
Default	Restores default values.
Detail	Enables you to view a field's properties. When in Detail mode, the left side of the screen displays a list of FPI fields. By clicking a field, the field properties display on the right side of the screen. This view is described later in this chapter.
Add	<p>Adds fields to the Res Field Map.</p> <p>Types of fields:</p> <ul style="list-style-type: none"> • System Fields - fields that cannot be deleted or renamed • User Defined Fields - fields the user adds that can be added, changed or deleted.
Delete	Deletes user defined field definition.
Edit	Enables you to edit a selected field definition.
Cancel	Exits the FPI Mailbox Property dialog box; discards configuration changes.

Part	Function
OK	The OK button is unavailable until valid Local and Remote Communications Queue path information is entered on the General tab of the FPI Mailbox Property dialog box. This prevents you from saving invalid Communications Queue paths.

Result File Field Definition (Add or Edit mode)

This illustration shows an example of the Result File Field Definition dialog box. This dialog box displays when Add or Edit is selected on the Res Field Map List view tab.

	Mandatory	Optional	Ignore	Unused
EDIM	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
IPM	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
REPORT	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
FFM	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
SUBMITTED	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
EDIN	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

This table describes the parts of the Result File Field Definition.

Part	Function
Field Name	Describes the field name. This name in this field cannot be changed in Edit mode.
Maximum length	Describes the maximum field length.
Default Value	Describes the default value for empty fields. The values in this field overwrite the default values of a communications application.
Minimum Repetition	Specifies the minimum number of times a Results File field may repeat.
Maximum Repetition Unlimited	Specifies that a Result File field may repeat without limitation.
Maximum Repetition	Specifies how many times a field repeats in a Result File.
Context Separator Undefined	Specifies that the character separator for the elements of the value list have not been defined.
Context Separator	Specifies a character separator for the elements of the value list.
Mandatory	Denotes that field is mandatory; displays as M in Table view.

Part	Function
Optional	Denotes optional field; displays as O in Table view.
Ignore	Denotes optional, ignored field; displays as I in Table view.
Unused	Denotes optional, unused field; displays as U in Table view.
Cancel	Exits the FPI Mailbox Property dialog box without saving configuration changes.
OK	The OK button is unavailable until valid Local and Remote Communications Queue path information is entered on the General tab of the FPI Mailbox Property dialog box. This prevents you from saving invalid Communications Queue paths.

FPI Mailbox Property - Res Field Map Tab (Detail View)

This illustration shows a Detail view of the FPI Mailbox Properties Res Field Map tab.

The screenshot shows the 'FPI MailBox Property for "FPI Isotrade"' dialog box with the 'Res Field Map' tab selected. On the left, a list of field names is shown, including ACTION_T, APP_MESS, ATTACHME, AU_MESSA, COMMENT, EDI_TYPE, INTERCHA, IPM_ID, MESSAGE, MSG_REC, MTS_ID, NOTIFICAT, OBSOLETE, ORIGINAT, REASON, RECIPIENT, and RECIPIENT. The right side of the dialog contains configuration options for a selected field: Field Name (text box), Maximum Length (0), Default (text box), Minimum Repetition (1), Maximum Repetition (checkbox for Unlimited, value 1), and Context Separator (checkbox for Undefined, text box). Below these options is a table with columns for Mandatory, Optional, Ignore, and Unused, and rows for EDIM, IPM, REPORT, FFM, SUBMITTED, and EDIN. At the bottom are buttons for Add, Delete, Edit, Cancel, and OK.

	Mandatory	Optional	Ignore	Unused
EDIM	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
IPM	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
REPORT	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
FFM	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
SUBMITTED	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
EDIN	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

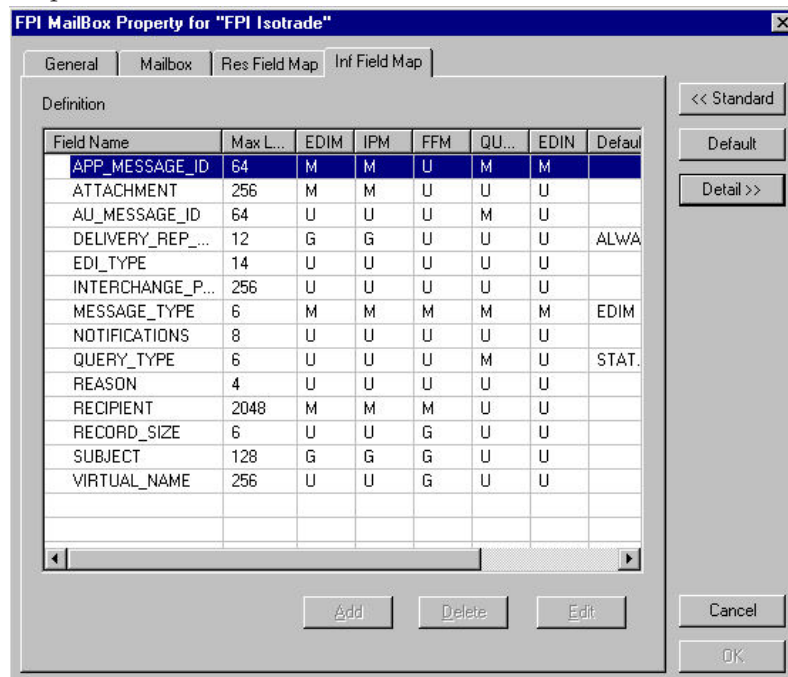
This table describes the parts of the FPI Mailbox Properties Res Field Map tab in Detail view.

Part	Function
Field Name	Describes the field name. This name in this field cannot be changed.
Maximum length	Describes the maximum field length.
Default	Describes the default value for empty fields. The values in this field overwrite the default values of a communications application.
Minimum Repetition	Specifies the minimum number of times a Results File field may repeat.
Maximum Repetition Unlimited	Specifies that a Results File field may repeat without limitation.
Maximum Repetition	Specifies how many times a field repeats in a Result File.

Part	Function
Context Separator Undefined	Specifies that the character separator for the elements of the value list have not been defined.
Context Separator	Specifies a character separator for the elements of the value list.
Mandatory	Denotes that field is mandatory; displays as M in Table view.
Optional	Denotes optional field; displays as O in Table view.
Ignore	Denotes optional, ignored field; displays as I in Table view.
Unused	Denotes optional, unused field; displays as U in Table view.
Standard	Closes Advanced properties.
Default	Default value for empty fields.
List	Switches to Table view.
Add	Enables you to add a field definition in Detail view.
Delete	Activated when at least one user-defined field is created. Otherwise, this option is unavailable.
Edit	Enables you to edit a selected field definition in Detail view.
Cancel	Exits the FPI Mailbox Property dialog box without saving configuration changes.
OK	The OK button is unavailable until valid Local and Remote Communications Queue path information is entered on the General tab of the FPI Mailbox Property dialog box. This prevents you from saving invalid Communications Queue paths.

FPI Mailbox Property - Inf Field Map Tab (List View)

This illustration shows an example of the FPI Mailbox Properties Inf Field Map tab. It is displayed when the Advanced button is selected on the FPI Mailbox Properties General tab.



This table describes the parts of the FPI Mailbox Properties Inf Field Map tab.

Part	Function
Field Name	Describes the field name.
Max Len.	Describes the maximum field length.
EDIM	Describes the EDI Message (reserved for future use).
IPM	Describes the Inter Personal Message.
FFM	Describes the Free Formatted Message (reserved for future use).
QUERY	Describes the Active Status queries (reserved for future use).
EDIN	Describes the EDI Notification (reserved for future use).
Default	Describes the default value for non-filled fields.
Max Rep	Specifies how many times that an Information File field may repeat.
Min Rep	Specifies the minimum number of times an Information File field may repeat.
Sep	Describes the Separator character for the elements of the value list of a field, which in the syntax of FPI are found in square brackets.
Optional/ △Mandatory values	<p>Defines whether a field is optional or mandatory. Valid values are:</p> <ul style="list-style-type: none"> • M - Mandatory; this field must be created in a transmit job for the particular message type. • G - Optional, generated field; This field is allowed in the context of the message type, and should be created. • U - Optional unused field; This field is allowed in the context of the message type, but should not be created. • X - A field that is generally not allowed in the context of the message type; for internal Sterling Gentran:Server FPI Gateway system use. If a field has a default value of X, it cannot be changed.
Standard	Closes Advanced properties.
Default	Restores default settings.
Detail	Enables you to view a field's properties. When in Detail mode, the left side of the screen displays a list of FPI fields. By clicking a field, the field properties display on the right side of the screen. This view is described later in this chapter.
Add	Unavailable.
Delete	Unavailable.
Edit	Enables you to edit a selected field definition. Only active when a field definition is highlighted.
Cancel	Exits the FPI Mailbox Property dialog box; discards configuration changes.
OK	The OK button is unavailable until valid Local and Remote Communications Queue path information is entered on the General tab of the FPI Mailbox Property dialog box. This prevents you from saving invalid Communications Queue paths.

FPI Mailbox Property - Inf Field Map Tab (Detail View)

This illustration shows the FPI Mailbox Properties Inf Field Map tab in Detail view.

The screenshot shows the 'FPI MailBox Property for "FPI Isotrade"' dialog box, specifically the 'Inf Field Map' tab. On the left, a list of field names is shown, with 'APP_MESSAGE_I' selected. The main configuration area includes:

- Field Name: APP_MESSAGE_I
- Maximum Length: 64
- Default Value: (empty)
- Minimum Repetition: 0
- Maximum Repetition: Unlimited, 1
- Context Separator: Undefined

 Below this is a table with columns 'Mandatory', 'Generate', and 'Unused' for various field types:

	Mandatory	Generate	Unused
EDIM	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
IPM	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
FFM	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
QUERY	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
EDIN	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

 At the bottom are buttons for 'Add', 'Delete', 'Edit', 'Standard', 'Default', 'List', 'Cancel', and 'OK'.

This table describes the parts of the Inf Field Map tab in Detail view.

Part	Function
Field Name	Describes the field name. This name in this field cannot be changed.
Maximum length	Describes the field length.
Default Value	Describes the default value for empty fields. The values in this field overwrite the default values of a communications application
Minimum Repetition	Specifies the minimum number of times an Information File field may repeat.
Maximum Repetition Unlimited	Specifies that as Information File field may repeat without limitation.
Max Repetition	Specifies the maximum number of times that an Information File field may repeat.
Context Separator Undefined	Specifies that the character separator for the value list elements have not been defined.
Context Separator	Specifies a character separator for the elements of the value list.
Mandatory	Denotes that field is mandatory; displays as M in Table view.
Generate	Denotes an optional, generated field; displays as G in Table view.
Unused	Denotes an optional, unused field; displays as U in Table view.
Standard	Closes Advanced properties.
Default	Restores default settings.
List	Switches to Table view.
Cancel	Exits the FPI Mailbox Property dialog box; discards configuration changes.

Part	Function
OK	The OK button is unavailable until valid Local and Remote Communications Queue path information is entered on the General tab of the FPI Mailbox Property dialog box. This prevents you from saving invalid Communications Queue paths.
Add	Unavailable.
Delete	Unavailable.
Edit	Enables you to edit a user-defined field definition. Only active when a field definition is highlighted.

FPI Mailbox Property - Inf Field Map Tab (Edit Mode)

This illustration shows FPI Mailbox Properties Inf Field Map Detail view in Edit mode.

The screenshot shows the 'FPI MailBox Property for "FPI Isotrade"' dialog box with the 'Inf Field Map' tab selected. The 'Definition' section includes a list of field names on the left, with 'APP_MESSAGE_I' selected. The configuration fields on the right are: Field Name (APP_MESSAGE_I), Maximum Length (64), Default Value (empty), Minimum Repetition (0), Maximum Repetition (Unlimited checked, 1), and Context Separator (Undefined checked). A table below shows field types (EDIM, IPM, FFM, QUERY, EDIN) with radio buttons for Mandatory, Generate, and Unused options.

	Mandatory	Generate	Unused
EDIM	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
IPM	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
FFM	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
QUERY	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
EDIN	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

This table describes the parts of Inf Field Map Tab in Edit mode.

Part	Function
Field Name	Describes the field name. This name in this field cannot be changed.
Maximum length	Describes the maximum field length.
Default Value	Describes the default value for empty fields. The values in this field overwrite the default values of a communications application
Minimum Repetition	Specifies the minimum number of times an Information File field may repeat.
Maximum Repetition Unlimited	Specifies that as Information File field may repeat without limitation.
Maximum Repetition	Specifies the maximum number of times that an Information File field may repeat.

Part	Function
Context Separator Undefined	Specifies that the character separator for the value list elements have not been defined.
Context Separator	Specifies a character separator for the elements of the value list.
Mandatory	Denotes that field is mandatory; displays as M in Table view.
Generate	Denotes an optional, generated field; displays as G in Table view.
Unused	Denotes an optional, unused field; displays as U in Table view.
Save	Saves changes.
Cancel	Terminates Edit mode; disregards configuration changes to the selected field.

Configuration Process

General Mailbox Properties (General tab) configuration is recommended for most Sterling Gentran:Server FPI Gateway users. Only advanced users who are extremely familiar with FPI should ever attempt to change ResFieldMap or InfFieldMap properties.

This table lists the stages in configuring your communications for use with the FPI Gateway.

Stage	Description
1	Install Sterling Gentran:Server FPI Gateway.
2	If your communications queue will physically reside on a UNIX machine, map the UNIX drive where the communications queue will reside to the Microsoft Windows machine using NFS. See Configuring Communications Queues on UNIX for more information.
3	Configure Sterling Gentran:Server FPI Gateway in the Mailbox Server Manager. See About Configuring FPI Gateway Mailboxes for instructions.
4	Create and configure the FPI Gateway mailboxes that you intend to use. See Configuring Sterling Gentran:Server FPI Gateway for instructions.
5	Associate the mailbox with a Sterling Gentran:Server trading partner. See About Trading Partner Configuration for instructions.

Configuring Communications Queues on UNIX

This topic describes the process of mapping the root directory of a communications queue located on a UNIX machine to a Microsoft Windows computer using NFS (Network File Sharing).

Before you begin

Note: You must verify that your NFS product accurately maps Microsoft Windows User Rights to UNIX. Incorrect Access Rights can prevent Sterling Gentran:Server FPI Gateway from functioning properly.

About this task

NFS product examples are:

- Omni NFS Gateway Version 4.0 by XLINK

- Intergraph Diskaccess NFS Client Version 04.01.00.07

Use this procedure to export a UNIX directory.

Procedure

1. Verify that the NFS Server process is running.
2. Log on to the UNIX computer as **root**.
3. In the export table, enter the directory to be exported to your Microsoft Windows computer. Usually, this is the table `/etc/exports`.
4. Assign read, write, and execute privileges to the directory.

For example: (lines in `/etc/exports`):

```
/home/smith - rw=pc1
```

Note: The name of the Microsoft Windows computer must be entered together with the IP address in the file `/etc/hosts`.

5. Enter `<bold>ping <italics>computer_name<end italics><end bold>` to check whether the UNIX computer can map the name of the Microsoft Windows computer to an IP address.

Where

- `<bold>` and `<italics>` describe necessary formatting characteristics
- `computer_name` is the name of the Microsoft Windows computer.

6. Enter `<bold>importfs -a<end bold>` to process the export table a second time.

Where

- `<bold>` describes necessary formatting characteristics

7. Install the NFS Client software.

See your Omni NFS Gateway and Omni NFS online help systems for installation, configuration and mapping instructions.

8. Create a directory on the mapped NFS drive, then create and save a file to that directory to ensure that the mapping process was successful.

What to do next

Continue with Configuring Sterling Gentran:Server FPI Gateway .

Configuring Sterling Gentran:Server FPI Gateway

This topic describes how to configure Sterling Gentran:Server FPI Gateway properties. The properties that you define apply to all FPI Gateway Mailboxes.

Before you begin

Before you begin configuring your Sterling Gentran:Server FPI Gateway you must:

- Install Sterling Gentran:Server FPI Gateway
- Verify that the following services are started:
 - Sterling Gentran:Server Executive
 - Sterling Gentran:Server Mailbox
 - Sterling Gentran:Server Communications (optional)

See the *IBM Sterling Gentran:Server for Microsoft Windows Communications User Guide* for instructions on how to start services.

About this task

Note: We recommend that you use the default configuration settings.

Use this procedure to configure your Sterling Gentran:Server FPI Gateway.

Procedure

1. Start **Mailbox Server Manager**.
The system displays the Server Manager browser.
2. Right-click on **Mailbox** in the Server Manager pane and select **Register Server**.
The system displays the Register Server dialog box.
3. Enter the name of your Mailbox server and click **OK**.
4. In the Gateways folder, right-click on **FPI Gateway** and select **Properties**.
The system displays the General tab of the FPI Gateway Property dialog box.
5. Define the Periodic Scan Interval setting.
6. On the **FPI Audit** tab, define the following:
 - Audit level for FPI Log
 - Maximum Log File Size
 - Post Audit File specifications
 - Audit Level for Event Log
7. Click **OK** to complete the configuration of this gateway.

What to do next

You are now ready to create Sterling Gentran:Server FPI Gateway Mailboxes.

About Configuring FPI Gateway Mailboxes

After you have configured the Sterling Gentran:Server FPI Gateway, you must create Sterling Gentran:Server FPI Gateway mailboxes.

For the Sterling Gentran:Server FPI Gateway to work properly, you must enter Local and Remote Communications Queue path information on the General tab of the FPI Mailbox Property dialog box. If valid paths are entered, the OK button on the Mailbox Property dialog box becomes enabled. If the paths are incorrect, the OK button remains unavailable. This prevents you from saving invalid Communications Queue paths.

Example 1

Communications Queue is installed on same machine as the Sterling Gentran:Server FPI Gateway.

Sterling Gentran:Server, Mailbox Server, Sterling Gentran:Server FPI Gateway, and the Access Unit are all installed on the same Microsoft Windows machine named PC1. The Communications Queue is located on the Microsoft Windows directory C:\Comm\FPI.

Local: C:\Comm\FPI

Remote: C:\Comm\FPI

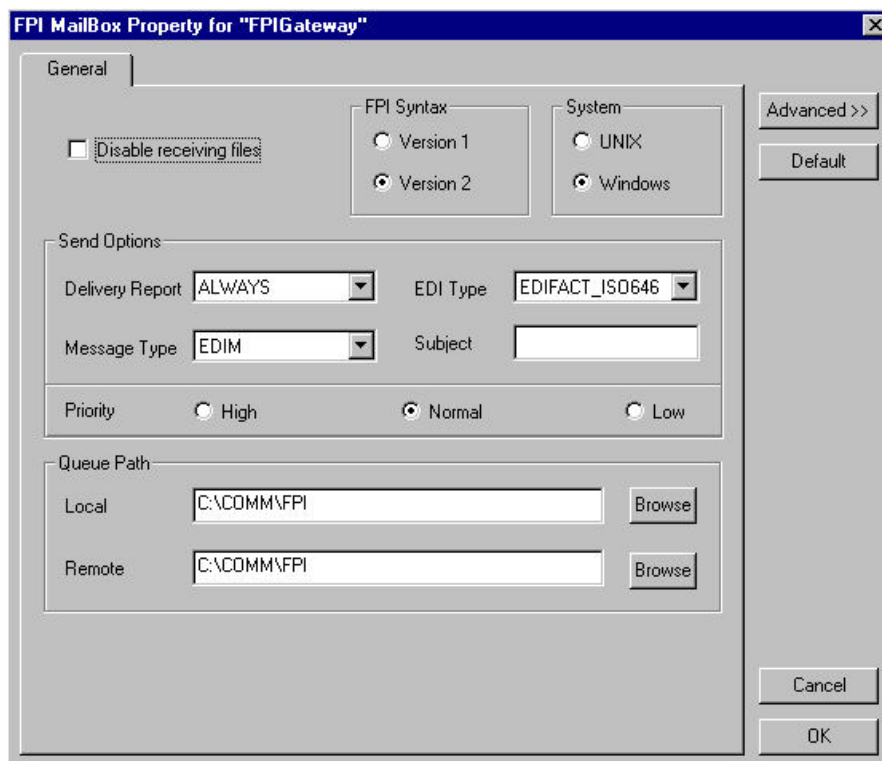
Alternatively, you can enter this information in Universal Naming Convention (UNC) notation:

Note: If you are linking the ISOTRADE Access Unit do not use UNC Notation, because ISOTRADE is not able to process directory paths given in UNC Notation.

Local: \PC1\C\COMM\FPI

Remote: \PC1\C\COMM\FPI

The General tab of the FPI Mailbox Property dialog box should look like this:



Example 2

Communications Queue is installed on a Network drive of a remote machine

Let "N" be the letter of the disk drive on the Microsoft Windows computer pc1, where the /HOME/SMITH directory exported by the UNIX-Workstation unixws1 is "mapped." The root directory of the Communications Queue is /HOME/COMM/FPI.

Local: N:\FPI

Remote: /HOME/COMM/FPI

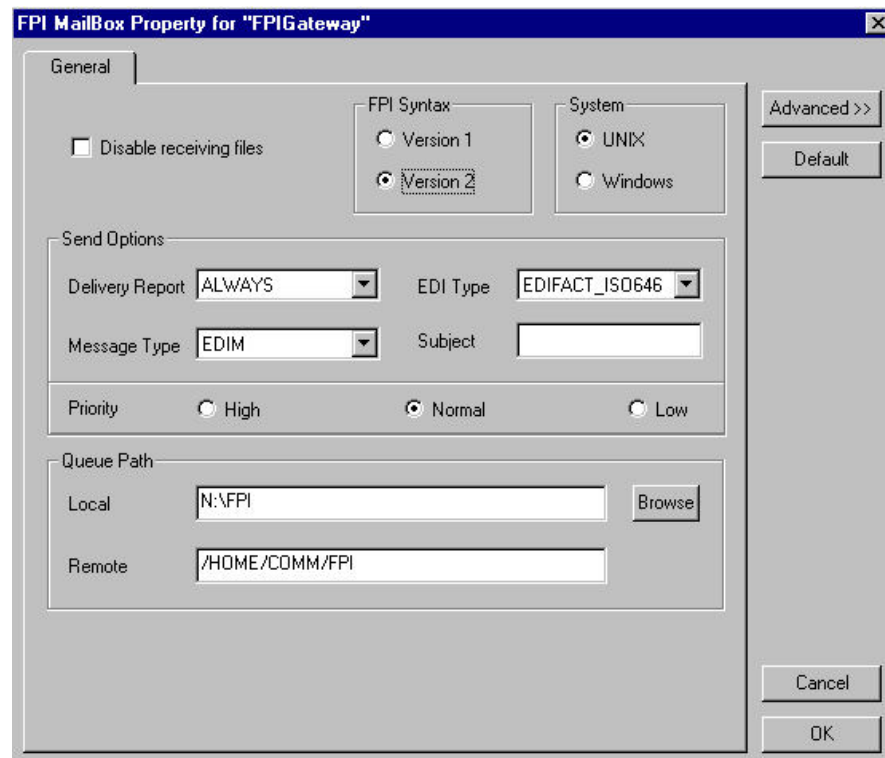
Alternatively, this value can be entered in UNC notation:

Note: If you are linking the ISOTRADE Access Unit don't use UNC Notation, because ISOTRADE is not able to process directory paths given in UNC Notation.

Local: \PC1\N\FPI

Remote: /HOME/COMM/FPI

This is an example of what your dialog box should look like:



Configuring FPI Gateway Mailboxes

About this task

Use this procedure to create Sterling Gentran:Server FPI Gateway mailboxes.

Procedure

1. Start **Mailbox Server Manager**.
2. Right-click on the **Mailboxes** folder icon and select **Create**.
3. Enter the name of the FPI Mailbox you are creating.

Note: The name you select should reflect the purpose of the FPI Mailbox.

4. Click **Next** twice.

A system displays dialog box that asks whether you want to use this mailbox as a gateway to another messaging system.

5. Click **Yes, use this mailbox as a gateway**.
6. Select **FPI Gateway** as the type of gateway to use with this mailbox and click **Next**.

The system displays the Create Mailbox Wizard - Summary dialog box.

7. Verify that the information that you entered correct and click **Finish**.
The system displays the FPI Mailbox Property dialog box.

Note: If you attempt to create a mailbox and the data store is missing, the system generates an error message box informing you that the mailbox cannot be created. Click **OK** to exit the message box and click **Cancel** to exit the Create Mailbox Wizard.

8. Verify that the Disable Receiving Files check box is cleared.
9. Under FPI Syntax, select the syntax version of the Result and Information files to be used for the FPI interface.
We recommend Version 2.
10. Under System, select the operating system on which the Communications Queue will reside.
11. Under Send Options, define the following:
 - **Delivery Report:** ALWAYS is the default value.
 - **Message Type:** Select EDIM for ISOTRADE Version 3.4.1 or IPM for ISOTRADE releases prior to 3.4.1.
 - **EDI Type:** Select EDIFACT_646 if EDI interchanges will be sent; select UNDEF_OCTET if binary data is to be sent (for unchanged transmissions of Umlauts).
 - **Subject:** Enter additional information that will be used as the Subject header (optional).
12. Select the priority level of the FPI Mailbox transmission.
13. If the Communications Queue will be installed locally (on the same machine as the Sterling Gentran:Server FPI Gateway), do the following:
 - **Local:** Enter the drive and full path name of the Communications Queue seen by the Sterling Gentran:Server FPI Gateway.
 - **Remote:** Enter the drive and full path name of the Communications Queue seen by the Remote computer. The directory path will be the same as the Local path.

Note: If you are linking the ISOTRADE Access Unit do not use UNC Notation, because ISOTRADE is not able to process directory paths given in UNC Notation.

14. If the communications queue will be installed on a network drive of a remote machine, do the following:
 - Verify that the Remote machine is mapped to your Microsoft Windows machine with appropriate Share and Access Rights permissions.

Note: UNIX users see Configuring Communications Queues on UNIX for instructions.

- **Local:** Type the drive and full path name of the Communications Queue seen by the Sterling Gentran:Server FPI Gateway.
- **Remote:** Type the drive and full path name of the Communications Queue seen by the Remote computer. The directory path will be different from the Local path.

About Modifying Advanced Properties

Although you can edit Advanced Mailbox properties, as a general rule no configuration changes are required or recommended.

Important: General Mailbox Properties (General tab) configuration is recommended for most Sterling Gentran:Server FPI Gateway users. Only advanced users who are extremely familiar with FPI should ever attempt to change ResFieldMap or InfFieldMap properties.

Before changing any Mailbox property configurations, consider the following:

- Mailbox tab

The Mailbox tab contains settings that control the processing of incoming messages in the Sterling Gentran:Server Mailbox. The default values are recommended for initial operation of the Sterling Gentran:Server FPI Gateways and should be changed only when necessary by a qualified system administrator. Changing the default values may prevent messages from being delivered to Sterling Gentran:Server.

- Res Field Map

Result Field Map settings allow an exceptionally flexible configuration of the reception jobs (Result files) either processed, or to be processed, by the Sterling Gentran:Server FPI Gateway. These settings should only be changed only by a qualified system administrator with an in-depth understanding of FPI.

Important: As a rule, the default values must not be changed for linking of ISOTRADE 3.4.1 (NT) / 4.3.4 (UNIX), Syntax version 1 and 2. A change in the default values may result in Sterling Gentran:Server FPI Gateway reception jobs generated by a linked communications application, to process incorrectly. In particular, changing the configuration to identify mandatory FPI fields (M = mandatory) as "ignored" (I = ignore) or "not used" (U = unused) is strongly discouraged. The configuration will not be subjected to a plausibility test.

- Inf Field Map

A change in Information Field Map default values can result in inaccurate processing by the linked communications application. In particular, suppressing mandatory FPI field generation (M = mandatory) by changing the configuration is strongly discouraged. The configuration will not be subjected to any plausibility test.

Adding, Editing, and Deleting Advanced Properties

About this task

Use this procedure to edit, add or delete Advanced Mailbox properties.

Procedure

1. Start the **Mailbox Server Manager**.
2. In the Mailboxes folder, right-click on the Sterling Gentran:Server FPI Gateway mailbox and select **Properties**.

The system displays the Mailbox Properties dialog box.

3. Select the **Gateway** tab and click **Configure**.
4. Click **Advanced**.

The system displays the Mailbox, ResFieldMap and InfFieldMap tabs.

5. To edit information or result fields, do the following:
 - From FPI Gateway Advanced properties, select the **Res Field Map** tab.
 - On the List view tab, double-click the FPI field that you want edit.
 - Make your changes.
 - Click **Save**.

6. To add a user-defined Result field, do the following:
 - From FPI Gateway Advanced properties, select the **Res Field Map** tab.
 - On either the List view or Detail view, click **Add**.
 - Enter the field Definition information
 - Click **OK**.
7. To delete user-defined Result field, do the following:
 - From FPI Gateway Advanced properties, select the **Res Field Map** tab.
 - On either the List view or Detail view, click **Delete**.

About Trading Partner Configuration

After you configure an FPI Mailbox, you must associate it with a trading partner in Sterling Gentran:Server. To do this, you must:

- define the trading relationship using the Sterling Gentran:Server Partner Editor
- assign a Sterling Gentran:Server FPI mailbox as the mailbox to use
- configure the EMail Address field to contain the symbolic alias name of the communications partner. The alias that you use should match what appears in the address book of the communications application. For example, ISOTRADE Access Unit maps the alias name found in the it_addr.dat address book to the X.400 address of the communications partner.

Modifying Mailbox Properties

This topic describes how to modify mailbox properties that were created using the Create Mailbox Wizard.

About this task

Use this procedure to modify mailbox properties.

Procedure

1. Start the **Mailbox Server Manager**.
2. From the Mailboxes folder, select the mailbox for which you want to add or modify properties.
3. Right-click and select **Properties**.
4. Do one of the following:
 - If you want to change the mailbox name or Sterling Gentran:Server e-mail address, click the **Addressing** tab.
 - If you want to change the mailbox gateway properties or configuration properties, click the **Gateway** tab.
 - If you want to change the mailbox delivery rules, click the **Delivery Rules** tab.
 - If you want to change the mailbox user security permissions, click the **Security** tab.
5. Make the appropriate modifications and click **OK** to save changes and exit the dialog box.

Chapter 3. Frequently Asked Questions

Field Display

Question: Do all listed fields have to appear in an Information file?

Answer: The listed fields can, but need not appear in the Information file. Which fields are required in an Information file will depend on the linked communications application and on the FPI syntax version. The value that needs defined is found in the specification for the particular communications application.

Information Files

Question: How can you match the Information files created by the Sterling Gentran:Server FPI Gateway to the linked communications application ?

Answer: You have several options:

- For the optional FPI fields, you can specify whether the Sterling Gentran:Server FPI Gateway should generate the fields in the information file (G = generate) or not use them (U = unused). For example, the SUBJECT field for EDIM transmission jobs belongs to the optional fields.
- Defining a default value for each FPI field - As a rule, this setting is made by the linked communications application but can be overwritten by input of another value.
- Specification of a minimum and maximum repetition frequency for each field. As a rule, this setting is permanently defined by the particular communications application. For example, to send messages with multiple attachments, the ATTACHMENT field (syntax version 2) can be repeated as often as necessary.
- For each field of the FPI, a length restriction can be established. As a rule, this setting is permanently defined by the particular communications application.
- The OptMand value can be specified for each field of the FPI and for each message type.

Field Expansion

Question: Can the list of fields of an Information file be expanded?

Answer: Yes. However, any expansion of the field list by use of the configuration screen, like that used for the fields of the Result file, was consciously omitted. The standard list already contains the fields defined in the FPI. New, user-defined fields may not conform to FPI.

Additional Information

For additional information, see the following:

- File Programmatic Interface (FPI) for EDI-X.435 (Pedi) & X.420 (P2), ISOCOR, Software Interface Specification, October 1995 (+ Update-Sheets)
- ISOTRADE Access Unit, Administrator Guide, ISOCOR, December 1996
- *IBM Sterling Gentran:Server for Microsoft Windows Administration Guide, User Guide, and IBM Sterling Gentran:Server for Microsoft Windows Communications User Guide.*

Notices

This information was developed for products and services offered in the U.S.A.

IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not grant you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing

IBM Corporation

North Castle Drive

Armonk, NY 10504-1785

U.S.A.

For license inquiries regarding double-byte character set (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

Intellectual Property Licensing

Legal and Intellectual Property Law

IBM Japan Ltd.

19-21, Nihonbashi-Hakozakicho, Chuo-ku

Tokyo 103-8510, Japan

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law:

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be

incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.

IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licenses of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

IBM Corporation

J46A/G4

555 Bailey Avenue

San Jose, CA 95141-1003

U.S.A.

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

Any performance data contained herein was determined in a controlled environment. Therefore, the results obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

All statements regarding IBM's future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

All IBM prices shown are IBM's suggested retail prices, are current and are subject to change without notice. Dealer prices may vary.

This information is for planning purposes only. The information herein is subject to change before the products described become available.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

COPYRIGHT LICENSE:

This information contains sample application programs in source language, which illustrate programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to IBM, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. IBM, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs. The sample programs are provided "AS IS", without warranty of any kind. IBM shall not be liable for any damages arising out of your use of the sample programs.

Each copy or any portion of these sample programs or any derivative work, must include a copyright notice as follows:

© IBM 2012. Portions of this code are derived from IBM Corp. Sample Programs. © Copyright IBM Corp. 2012.

If you are viewing this information softcopy, the photographs and color illustrations may not appear.

Trademarks

IBM, the IBM logo, and [ibm.com](http://www.ibm.com)[®] are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the Web at "Copyright and trademark information" at <http://www.ibm.com/legal/copytrade.shtml>.

Adobe, the Adobe logo, PostScript, and the PostScript logo are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States, and/or other countries.

IT Infrastructure Library is a registered trademark of the Central Computer and Telecommunications Agency which is now part of the Office of Government Commerce.

Intel, Intel logo, Intel Inside, Intel Inside logo, Intel Centrino, Intel Centrino logo, Celeron, Intel Xeon, Intel SpeedStep, Itanium, and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

ITIL is a registered trademark, and a registered community trademark of the Office of Government Commerce, and is registered in the U.S. Patent and Trademark Office.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Java™ and all Java-based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates.

Cell Broadband Engine is a trademark of Sony Computer Entertainment, Inc. in the United States, other countries, or both and is used under license therefrom.

Linear Tape-Open, LTO, the LTO Logo, Ultrium and the Ultrium Logo are trademarks of HP, IBM Corp. and Quantum in the U.S. and other countries.

Connect Control Center®, Connect:Direct®, Connect:Enterprise®, Gentran®, Gentran®:Basic®, Gentran:Control®, Gentran:Director®, Gentran:Plus®, Gentran:Realtime®, Gentran:Server®, Gentran:Viewpoint®, Sterling Commerce™, Sterling Information Broker®, and Sterling Integrator® are trademarks or registered trademarks of Sterling Commerce®, Inc., an IBM Company.

Other company, product, and service names may be trademarks or service marks of others.

Index

A

advanced properties
mailboxes 29

C

communications gateway 7, 8, 9
communications queues 23
configuration overview 23
configuring communications queues 23
configuring FPI Gateway Mailboxes 27
configuring your FPI Gateway 24

D

delivery agents 8
delivery rules
properties 8

E

e-mail addresses
Gentran mailbox 7

F

FPI Audit tab 4
FPI Gateway
configuration process 23
overview 1
FPI Gateway mailboxes
associating with partners 30
creating 27
examples 25
modifying 29
overview 1
FPI Gateway properties
FPI Audit tab 4
General tab 3
Inf Field Map Tab (Detail View) 21
Inf Field Map Tab (Edit mode) 22
Inf Field Map Tab (Table View) 19
Log View 5
Mailbox tab 13
Res Field Map Tab (Detail View) 18
Res Field Map tab (List View) 15
Result File Field Definition 17
FPI Mailbox properties
General tab 10

G

gateway types 7
General tab 10
FPI Gateway Property 3

I

Inf Field Map tab
edit warning 29
Inf Field Map Tab (Detail View) 21
Inf Field Map Tab (Edit mode) 22
Inf Field Map Tab (Table View) 19
information files
expanding fields 31
fields displayed 31
linking to the communications
application 31

L

Log View 5

M

mailbox access 9
mailbox properties 30
delivery rules 8
Mailbox Properties dialog box
Addressing tab 7
Delivery Rules tab 8
Gateway tab 7
Security tab 9
Mailbox tab
edit warning 29
FPI Gateway Property 13
mailboxes
advanced properties 29
creating 27
delivery rules 8
modifying 30
modifying FPI Gateway mailboxes 29

R

Res Field Map Tab (Detail View) 18
Res Field Map tab (List View) 15
Result file 31
Result File Field Definition 17

S

security access 9

T

trading partners 30

U

UNIX communications queues 23



Product Number: 5725-D09

Printed in USA